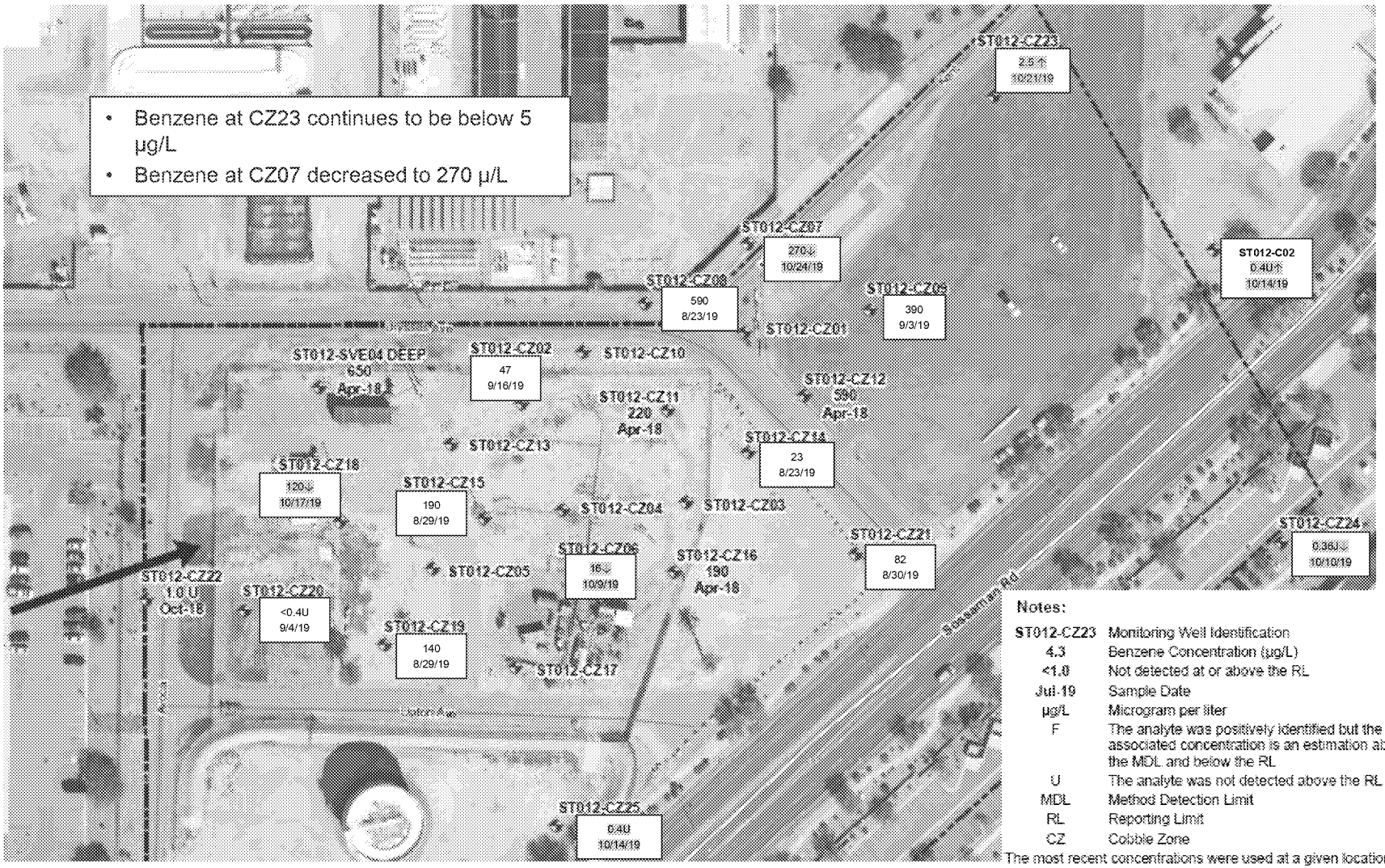
Site ST012 Benzene (µg/L) in CZ

- Benzene at CZ23 continues to be below 5 µg/L
- Benzene at CZ07 decreased to 270 µ/L



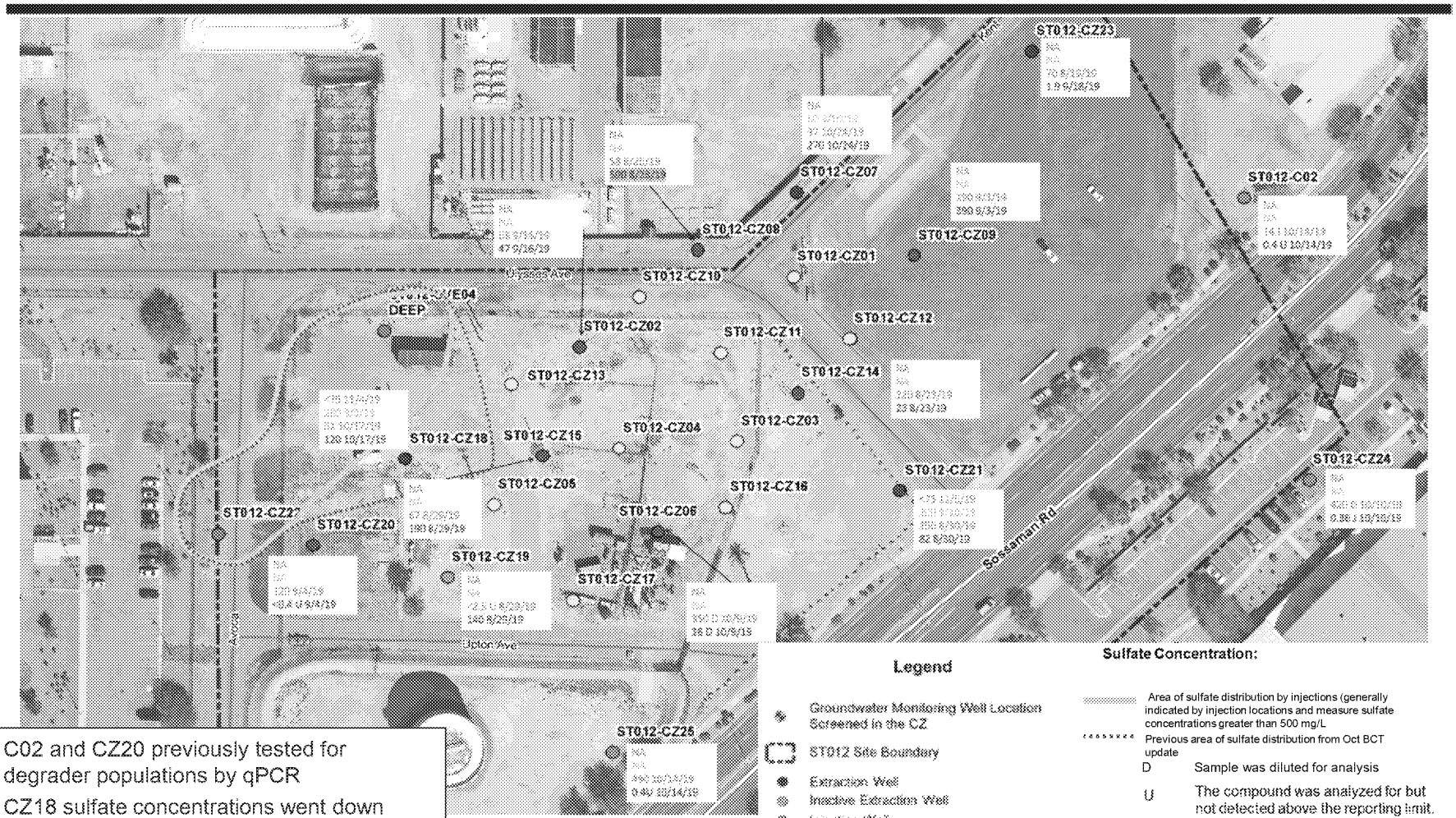
Notes:

ST012-CZ23	Monitoring Well Identification
4.3	Benzene Concentration (µg/L)
<1.0	Not detected at or above the RL
Jul-19	Sample Date
µg/L	Microgram per liter
F	The analyte was positively identified but the associated concentration is an estimation above the MDL and below the RL
U	The analyte was not detected above the RL
MDL	Method Detection Limit
RL	Reporting Limit
CZ	Cobble Zone

The most recent concentrations were used at a given location through the end of the reporting period.

Updated since Oct BCT update (arrow indicates direction of change from previous result)

EBR Treatment Area in CZ



- C02 and CZ20 previously tested for degrader populations by qPCR
- CZ18 sulfate concentrations went down
- Recently conducted screening test (BART) in two locations (CZ18 and CZ21). Results were low <75 cfu/ml.
- Consider sulfate injections in CZ10 to target highest concentrations in CZ07/CZ08/CZ09 area

Legend

- Groundwater Monitoring Well Location Screened in the CZ
- ST012 Site Boundary
- Extraction Well
- Inactive Extraction Well
- Injection Well
- Groundwater Monitoring Well
- Perimeter Groundwater Monitoring Well
- All Other Wells
- Bart Results (cfu/mL)
- Field Sulfate Concentrations (mg/L)
- Lab Sulfate Concentrations (mg/L)
- Benzene Concentrations (ug/L)
- Benzene Concentration greater than 500ug/L

Sulfate Concentration:

- Area of sulfate distribution by injections (generally indicated by injection locations and measure sulfate concentrations greater than 500 mg/L
- Previous area of sulfate distribution from Oct BCT update

D Sample was diluted for analysis

U The compound was analyzed for but not detected above the reporting limit.

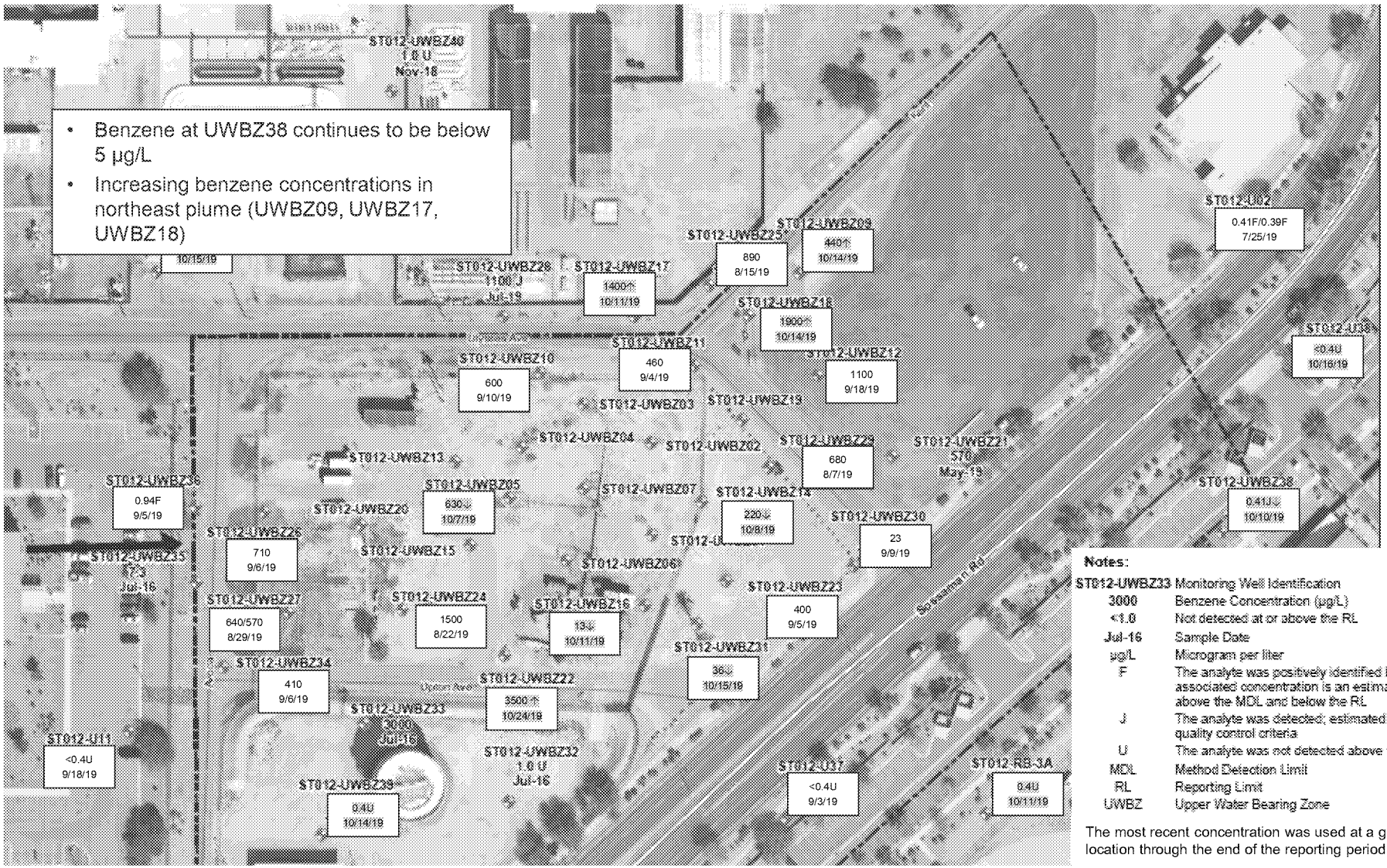
F The analyte was detected, estimated above the method detection limit and below the reporting limit.

Notes:

ST012-CZ23 Monitoring Well Identification

CZ Cobble Zone

Site ST012 Benzene (µg/L) in UWBZ



- Benzene at UWBZ38 continues to be below 5 µg/L
- Increasing benzene concentrations in northeast plume (UWBZ09, UWBZ17, UWBZ18)

Notes:

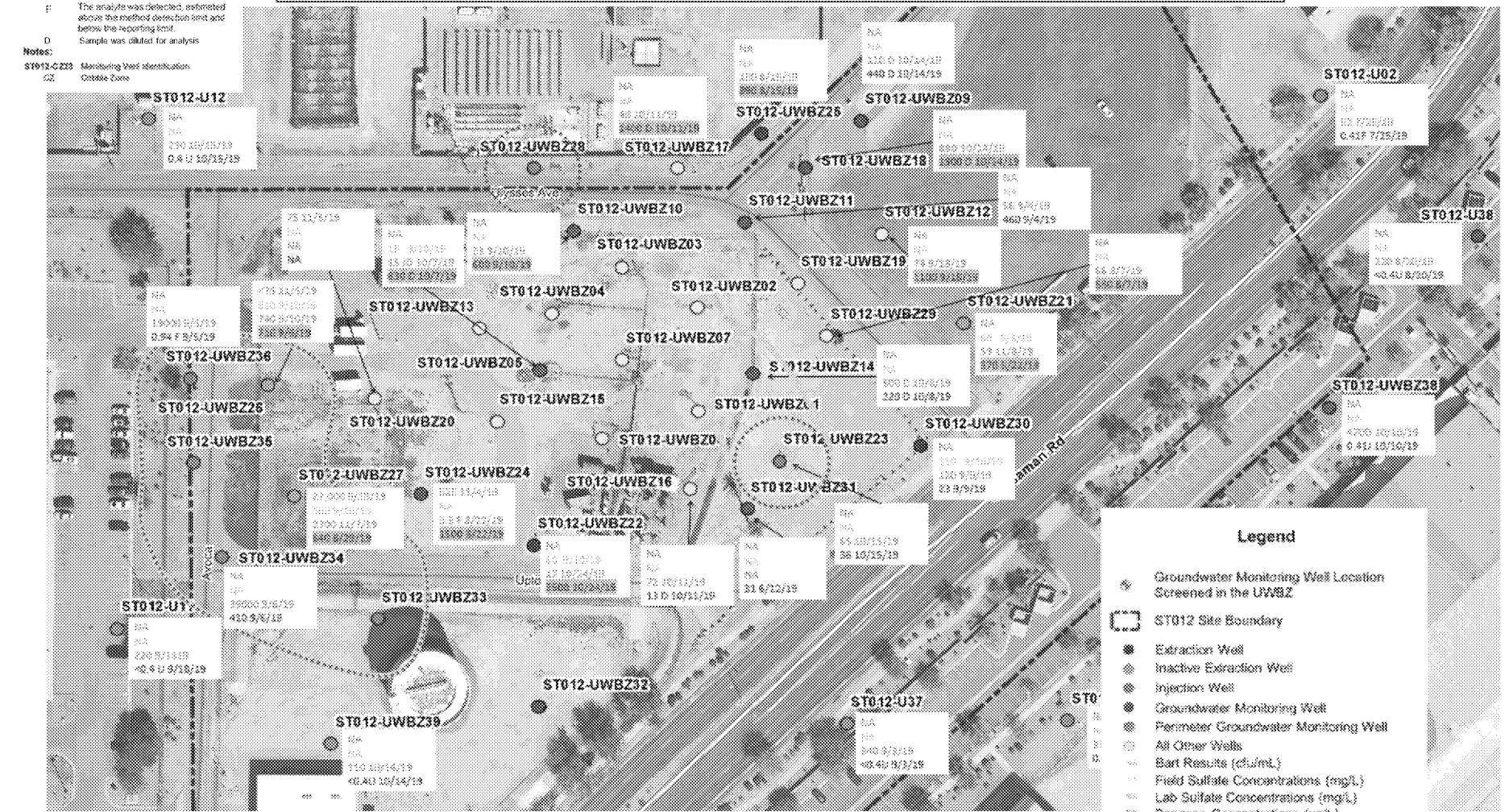
ST012-UWBZ33	Monitoring Well Identification
3000	Benzene Concentration (µg/L)
<1.0	Not detected at or above the RL
Jul-16	Sample Date
µg/L	Microgram per liter
F	The analyte was positively identified but the associated concentration is an estimation above the MDL and below the RL
J	The analyte was detected; estimated due to quality control criteria
U	The analyte was not detected above the RL
MDL	Method Detection Limit
RL	Reporting Limit
UWBZ	Upper Water Bearing Zone

The most recent concentration was used at a given location through the end of the reporting period.

Updated since Oct BCT update (arrow indicates direction of change from previous result)

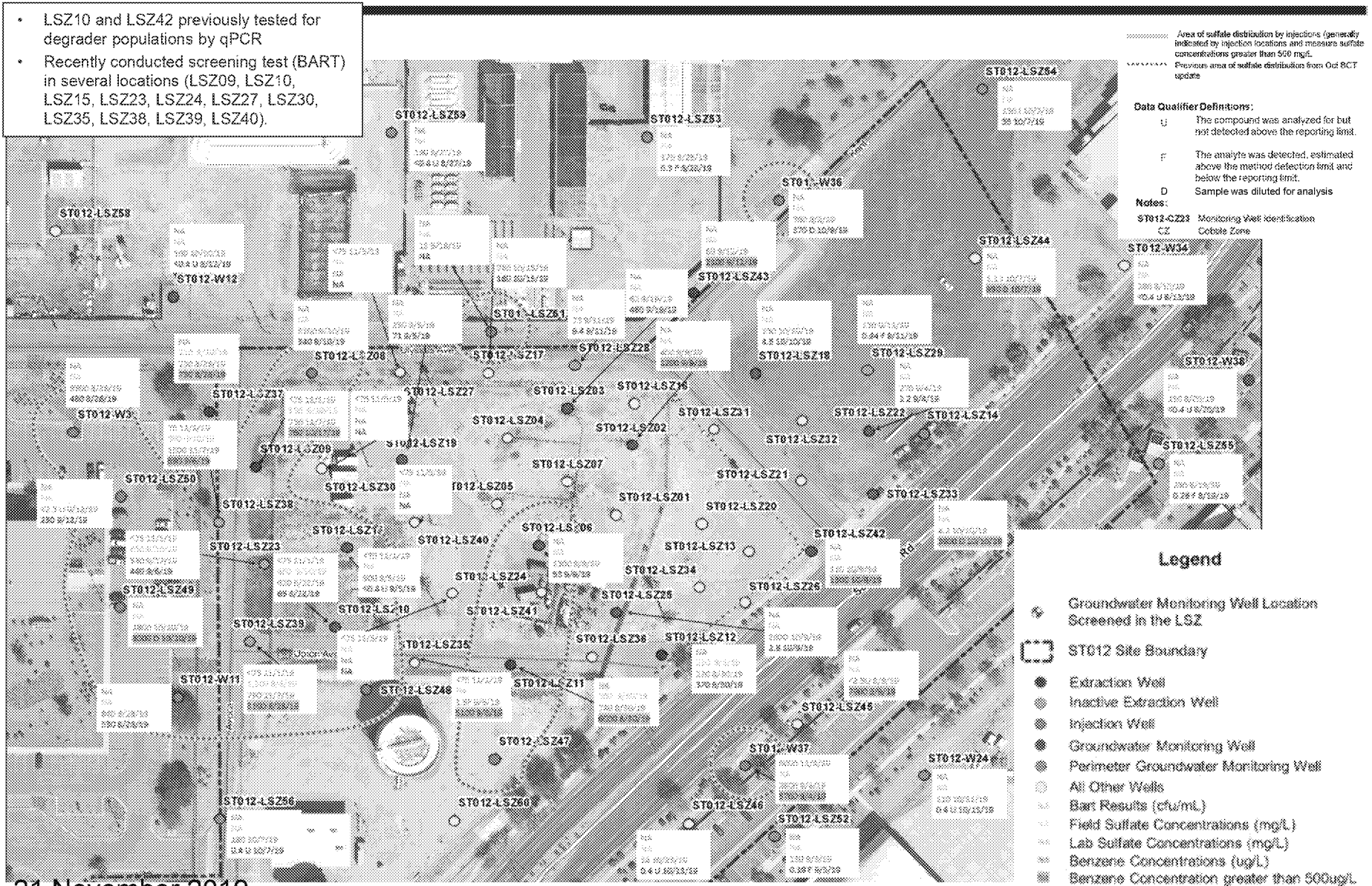
EBR Treatment Areas in UWBZ

- UWBZ24 and UWBZ31 previously tested for degrader populations by qPCR
- Recently conducted screening test (BART) in three locations (UWBZ20, UWBZ24, and UWBZ26).



EBR Treatment Areas in LSZ

- LSZ10 and LSZ42 previously tested for degrader populations by qPCR
- Recently conducted screening test (BART) in several locations (LSZ09, LSZ10, LSZ15, LSZ23, LSZ24, LSZ27, LSZ30, LSZ35, LSZ38, LSZ39, LSZ40).



Site ST012 Extraction System Performance

- No LNAPL has been recovered since extraction started up
- Extraction pumps CZ21, UWBZ25, LSZ23, LSZ43 currently down
- CZ18, UWBZ21, UWBZ26, UWBZ27, LSZ09, LSZ23, LSZ37, LSZ38, and LSZ39 turned off due to sulfate presence
- Benzene air stripper influent at 600 µg/L for October sample